RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

ENTERED

CRF Errors Edited by the STIC Systems Branch

rial	Number: / O/ S///S(0/ : CRF Edit Date: //// Edited by: 700
<u> </u>	Realigned nucleic acid/amino acid/numbers/text@in cases where the sequentext "wrapped" to the next line
_	Corrected the SEQ ID NO. Sequence numbers edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line. SEQ III NO's edited:
_	Deleted:invalid beginning/end-of-file text; page numbers
-	Inserted mandatory headings/numeric identifiers, specifically:
	Moved responses to same line as heading/humeric identifier, specifically:
- .	Other:

Revised 09/09/2003



DATE: 11/01/2004

PCT

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PATENT APPLICATION: US/10/511,561
                                                             TIME: 11:54:09
                     Input Set : A:\pto.kd.txt
                     Output Set: N:\CRF4\10292004\J511561.raw
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             Chen, Ping-Chi B
      3
              Chen, David J
      6 <120> TITLE OF INVENTION: DNA Dependent Protein Kinase Catalytic Subunit
Phosphorylation Sites
         and Antibodies Thereto
W--> 8 <130> FILE REFERENCE: IB-1807 PCT
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/511,561
C--> 12 <141> CURRENT FILING DATE: 2004-10-15
    14 <150> PRIOR APPLICATION NUMBER: US 60/375,094
    16 <151> PRIOR FILING DATE: 2002-04-22
    18 <160> NUMBER OF SEQ ID NOS: 28
    20 <170> SOFTWARE: PatentIn version 3.1
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RAW SEQUENCE LISTING

RAW SEQUENCE LISTING DATE: 11/01/2004
PATENT APPLICATION: US/10/511,561 TIME: 11:54:09

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511561.raw

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Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511561.raw

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	Tyr 385	Val	Glu	Leu	Ile	Gln 390	Arg	Cys	Lys	Gln	Met 395	Phe	Leu	Thr	Gln	Thr 400
		Th~	C1	7 an	Therese		17-1	П	~1 m	Mot		Cor	Dho	T 011	@1 m	
177	Asp	1111	GIY	Asp	405	Arg	vaı	ıyı	GIII	410	PIO	ser	Pile	ьeu	415	ser
180	Val	Ala	Ser	Val	Leu	Leu	Tyr	Leu	Asp	Thr	Val	Pro	Glu	Val	Tyr	Thr
181				420			_		425					430	_	
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185			435			•		440					445			
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189		450			_	_	455	_				460			_	
		Leu	Ala	Leu	Ala		Lys	Gly	Pro	Val		Arg	Asn	Cys	Ile	Ser
	465	_	_			470		_			475				_	480
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201	-			500					505					510		
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	_		Phe	Arg	His	Leu		Ser	Ser	Asp	Gln		Met	Asp	Ser	Ile
209		530	_				535	_	_	_		540		-	_	_
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_	545	•	_	_	_	550	~3	_,		_	555		_	_		560
	Asn	His	Leu	Leu	_	Asp	GIU	Phe	vai	_	Ser	Val	Leu	Lys		Val
217	~1	T	7	3	565	m1	T	a 1	- 1 -	570	m)	**- 7	~1	a 1	575	~1
	GIU	ьys	ьeu	Asp	ьeu	Thr	ьeu	GIU		GIN	ınr	vaı	GIY		GIN	GIU
221	7 00	C1	7 ~~	580	71-	Dwo	C1++	1701	585	Mot	T1.	Dwo	mb ∞	590	7.00	Dro
225	ASII	Gry	595	Glu	AIA	PIO	GIY	600	пр	Met	116	PIO		ser	Asp	PIO
	אן ה	71-		Leu	uic	Dro	71-		Dro	Tara	λαν	Dho	605 Sox	ח ז ח	Dho	т10
229	Ата	610	ASII	пец	nis	PIO	615	шуъ	FIO	цув	Азр	620	SCI	Ата	FIIC	116
	Asn		Val	Glu	Phe	Cvs		Glu	Ile	Leu	Pro		Lvs	Gln	Ala	Glu
233						630	5				635		-1-			640
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248	Lys	Ser	Leu	Lys	His	Ser	Pro	Glu	Asp	Pro	Glu	Lys	Tyr	Ser	Cys	Phe
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252	Ala	Leu	Phe	Val	Lys	Phe	Gly	Lys	Glu	Val	Ala	Val	Lys	Met	Lys	Gln
253						710					715					720
256	Tyr	Lys	Asp	Glu	Leu	Leu	Ala	Ser	Cys	Leu	Thr	Phe	Leu	Leu	Ser	Leu
257					725					730					735	
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RAW SEQUENCE LISTING DATE: 11/01/2004
PATENT APPLICATION: US/10/511,561 TIME: 11:54:09

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511561.raw

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268 269	Gly	Leu 770	Asn	Ala	Leu	Glu	Glu 775	Trp	Ser	Ile	Tyr	Ile 780	Asp	Arg	His	Val
	Met 785	Gln	Pro	Tyr	Tyr	Lys 790	Asp	Ile	Leu	Pro	Cys 795	Leu	Asp	Gly	Tyr	Leu 800
276 277	Lys	Thr	Ser	Ala	Leu 805	Ser	_	Glu	Thr	Lys 810	Asn	Asn	Trp	Glu	Val 815	Ser
280 281	Ala	Ļeu	Ser	Arg 820	Ala	Ala	Gln	Lys	Gly 825	Phe	Asn	Lys	Val	Val 830	Leu	Lys
284 285	His	Leu	Lys 835	Lys	Thr	Lys	Asn	Leu 840	Ser	Ser	Asn	Glu	Ala 845	Ile	Ser	Leu
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309		930	_			Leu	935					940				
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317		_	_		965	Phe				970				-	975	
321	_	,		980	_	Gln		_	985					990		
325		_	995				_	1000	0				10	05		al Ser
329		1010)			e Leu	101	L5				10	020			
333		Leu 102	5	_		e Cys	103	30				10	035	Phe 1		-
337	Trp	1040)	_		ılle	104	15				10	050	Lys S		
341		1055	5	_		Lys	106	50				10	065			Leu .
345		1070)			ı Phe	107	75		_		10	080			
349		11e 1089	5	_			109	0				10	95	Val (
353		Val 1100)			Leu Lys	110)5	le Ty			1.	L10	Leu A		
357		His 1115	5			ь Leu	112	20				13	L25			
300	vah	nia	116	- wal	, utr	, neu	. Cys	, Al	·9 ·	LC 1.	. c G.	.u 11)		Lyo I	. CO .	·uı

RAW SEQUENCE LISTING DATE: 11/01/2004 PATENT APPLICATION: US/10/511,561 TIME: 11:54:09

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Output Set: N:\CRF4\10292004\J511561.raw

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VERIFICATION SUMMARY

DATE: 11/01/2004

PATENT APPLICATION: US/10/511,561

TIME: 11:54:10

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10292004\J511561.raw

L:8 M:283 W: Missing Blank Line separator, <130> field identifier

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date



PCT

. RAW SEQUENCE LISTING

DATE: 10/26/2004

PATENT APPLICATION: US/10/511,561

TIME: 17:50:28

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\10262004\J511561.raw

2 <110> APPLICANT: Chan, Doug W

3 Chen, Ping-Chi B 4 Chen, David J

6 <120> TITLE OF INVENTION: DNA Dependent Protein Kinase Catalytic Subunit

Phosphorylation Sites

7 and Antibodies Thereto

W--> 8 <130> FILE REFERENCE: IB-1807 PCT

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/511,561

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14 <150> PRIOR APPLICATION NUMBER: US 60/375,094

16 <151> PRIOR FILING DATE: 2002-04-22

18 <160> NUMBER OF SEQ ID NOS: 28

20 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply Corrected Diskette Needed

ERRORED SEQUENCES

3228 <210> SEQ ID NO: 28

3230 <211> LENGTH: 34

3231 <212> TYPE: DNA

3232 <213> ORGANISM: Artificial Sequence

3234 <220> FEATURE:

3235 <223> OTHER INFORMATION: Reverse primer to create T2609A mutation

3237 <400> SEQUENCE: 28

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34

E--> 3242

VERIFICATION SUMMARY

DATE: 10/26/2004 TIME: 17:50:29

PATENT APPLICATION: US/10/511,561

Input Set : A:\PTO.FG.txt

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L:8 M:283 W: Missing Blank Line separator, <130> field identifier L:10 M:270 C: Current Application Number differs, Replaced Current Application Number L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:3242 M:254 E: No. of Bases conflict, this line has no nucleotides.